

Remarks

Reconsideration of this Application is respectfully requested.

Upon entry of the foregoing amendment, claims 1-23 are pending in this application, with claims 1, 11 and 23 being the independent claims. Claims 1, 4, 11, 15 and 23 are amended.

In the Office Action dated February 11, 2005, the drawings are objected to. Claims 1, 3, 4, 6-11, 14, 15, 17, 18 and 20-23 stand rejected under 35 U.S.C. § 102(e) as being allegedly anticipated by Randall, U.S. Patent No. 6,809,441. Claims 2 and 13 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Randall in view of Derleth et al., U.S. Patent No. 6,731,028. Claims 5 and 16 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Randall in view of Cashmore et al., U.S. Patent No. 5,140,204. Claim 12 stands rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Randall in view of Kim, U.S. Patent No. 5,739,608. Claim 19 stands rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Randall in view of Seki et al., U.S. Patent No. 6,661,124 in further view of Ishida, U.S. Patent No. 6,617,716.

Objections to the drawings

FIG. 3 is added to illustrate the aspect of thermal conductive strips containing microtubes. Applicant respectfully requests that the objection be withdrawn.

Rejections under 35 U.S.C. § 102(e)

Claims 1, 3, 4, 6-11, 14, 15, 17, 18 and 20-23 stand rejected under 35 U.S.C. § 102(e) as being allegedly anticipated by Randall. Although Applicant does not necessarily agree with the reasoning expressed in the Office Action, claim 1 has been amended to recite "a plurality of conductive strips arranged generally transverse to at least portions of said coil of wire and in contact with said portions of said coil." At least this aspect is not disclosed in Randall. To the extent that the wedges (designated by 28 in FIGs. 3 and 4 of Randall) are considered analogous to the thermal conductive strips

recited in claim 1, these wedges 28 are not in contact with the portion of the coil 42 that these wedges 28 are transverse to. Phrased another way, the geometry in Randall is different from what is recited in claim 1.

The addition of the other cited references does not cure the deficiencies of Randall, singly or in combination, and Applicant respectfully requests reconsideration and withdrawal of the rejection of claim 1.

Dependent claim 4 has been amended to recite that the thermal conductive strips are in contact with each other. This aspect is also not disclosed in Randall. Accordingly, dependent claim 4 is allowable for this additional reason as well.

Claim 11 has been amended to recite that the cooling tube is wrapped around three sides of a periphery of the coil winding. An example of this arrangement is illustrated in FIG. 1 of the present application. At least this aspect is not disclosed in Randall. The cooling tube of Randall (designated by 56 in FIG. 4) does not wrap around three sides of a periphery of its coils. Additional discussion confirming this may be found in column 5, lines 1-5 ("the coolant pipe 56 or pipes, are arranged in the circular recess in the cross-pieces of the pole inserts. It will be seen from FIG. 3 that the array of cross-pieces of the pole inserts provide a substantially continuous channel of contact with the cooling pipe.") Accordingly, claim 11, as amended, is believed to be allowable over this cited reference, and Applicant respectfully requests reconsideration and withdrawal of the rejection of claim 11.

Claim 15 has been amended to recite that the thermal conductive strips are adjacent to each other. At least this aspect is not taught or suggested in Randall. Applicant respectfully requests reconsideration and withdrawal of the rejection of claim 15 for this additional reason as well.

Claim 23 has been amended to recite "a cooling tube . . . wrapped around three sides of said coil of wire . . . a plurality of thermal conductive strips in contact with each other." These aspects are not disclosed in Randall. Accordingly, Applicants respectfully request reconsideration and withdrawal of the rejection of claim 23.

All of the dependent claims 2-10 and 12-22 are allowable for the reasons discussed above, as well as due to their dependence from allowable independent claims. Applicants respectfully request reconsideration and withdrawal of the § 102 and 103 rejections of the dependent claims.

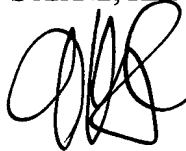
Conclusion

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicant believes that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

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3/4/05

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Amendments to the Figures

FIG. 3 is added to address the Examiner's objection. No new matter has been added.